



Table 4: Report on analysis of Drinking water (State Public Health Laboratory)

**GOVT. OF ASSAM**  
**STATE PUBLIC HEALTH LABORATORY, ASSAM**  
**BAMMUNIMADAM, GUWAHATI-21**

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No. VII-152/pt-II/2020-22/ 5777, Dated Guwahati, the 17/10 /2022

**REPORT ON ANALYSIS OF DRINKING WATER (IS 10500:2012)**

Customer Name & Address : K.C. Das Commercial College, Add. Chatribari Guwahati-781008, Assam, Dist. Kamrup (M) (Assam).

Your No. : 2

Laboratory Code No. : Chem. 1110/22

Sample Description : Aquaguard

Date of Receipt : 22/09/2022

Date of Analysis : Start: 13/10/2022 End: 13/10/2022

Sl. No.	Parameter	Nature of method used	Result	Desirable limit
1	Appearance	-	Clear	Clear
2	Odour	FSSAI Manual for Water Analysis, 2016, Sec A, 1, 2. Pg- 15	Unobjectionable	Unobjectionable
3	Taste	-	--	Agreeable
4	Turbidity, NTU	FSSAI Manual for Water Analysis, 2016, Sec A, I, 5.1. Pg- 26	0	5(Max) (mg/l)
5	pH	FSSAI Manual for Water Analysis, 2016, Sec A, II, 3.A. Pg- 17	6.5	6.5 to 8.5 (mg/l)
6	Total hardness (as CaCO <sub>3</sub> ), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 8.A. Pg- 99	42	200(Max) (mg/l)
7	Iron (as Fe), mg/l	FSSAI Manual	0.02	0.30 (Max) (mg/l)
8	Chlorides (as Cl), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 5.A. Pg- 76	3	250 (Max) (mg/l)
9	Residual free Chlorine, mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 11.A. Pg- 116	Nil	0.20 (Max) (mg/l)

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Sample ID: Chem. 1110/22

10	Fluoride (as F), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 7.1.A. Pg- 90	0.1	1.0 (Max) (mg/l)
11	Dissolved Solids, mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, I, 6.A. Pg- 29	34	500 (Max) (mg/l)
12	Calcium (as Ca) mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 14.A. Pg- 14	4.0	75 (Max) (mg/l)
13	Magnesium (as Mg), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 6.1. Pg- 85	7.8	30 (Max) (mg/l)
14	Manganese (as Mn), mg/l	FSSAI Manual	Nil	0.10 (Max) (mg/l)
15	Sulphate (as SO <sub>4</sub> ), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 10.A. Pg- 107	8	200 (Max) (mg/l)
16	Nitrates (as NO <sub>3</sub> ), mg/l	FSSAI Manual	Nil	45 (Max) (mg/l)
17	Alkalinity as (CaCO <sub>3</sub> ) mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 9 Pg- 104	30	200 (Max) (mg/l)

**Note:** Results are only with respect to the items tested. All tests are performed in the laboratory location only. Results apply to the sample as received.

**Opinion:** The sample is chemically satisfactory with respect to the tests carried out.



(A. Gopei)  
Food Analyst to the Govt. of Assam  
Bamunimaidam, Guwahati- 21

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---End of Report---





Table 5: Report on analysis of overhead tank water (State Public Health Laboratory)

Sample ID: Chem. 1109/22



GOVT. OF ASSAM  
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BAMMUNIMADAM, GUWAHATI-21

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No. VII-152/pt-II/2020-22/ 5776, Dated Guwahati, the 17/10 /2022REPORT ON ANALYSIS OF DRINKING WATER (IS 10500:2012)

Customer Name & Address : K.C. Das Commerce College, Add. Chatribari Guwahati-781008, Assam, Dist. Kamrup (M) (Assam).

Your No. : 1

Laboratory Code No. : Chem. 1109/22

Sample Description : Boring water (Raw)

Date of Receipt : 22/09/2022

Date of Analysis : Start: 13/10/2022 End: 13/10/2022

Sl. No.	Parameter	Nature of method used	Result	Desirable limit
1	Appearance	-	Turbid	Clear
2	Odour	FSSAI Manual for Water Analysis, 2016, Sec A, 1, 2. Pg- 15	Unobjectionable	Unobjectionable
3	Taste	-	--	Agreeable
4	Turbidity, NTU	FSSAI Manual for Water Analysis, 2016, Sec A, I, 5.1. Pg- 26	23	5(Max) (mg/l)
5	pH	FSSAI Manual for Water Analysis, 2016, Sec A, II, 3.A. Pg- 17	6.5	6.5 to 8.5 (mg/l)
6	Total hardness (as CaCO <sub>3</sub> ), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 8.A. Pg- 99	170	200(Max) (mg/l)
7	Iron (as Fe), mg/l	FSSAI Manual	0.95	0.30 (Max) (mg/l)
8	Chlorides (as Cl), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 5.A. Pg- 76	8	250 (Max) (mg/l)
9	Residual free Chlorine, mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 4.A. Pg- 116	Nil	0.20 (Max) (mg/l)





Sample ID: Chem. 1109/22

10	Fluoride (as F), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 7.1.A. Pg- 90	0.5	1.0 (Max) (mg/l)
11	Dissolved Solids, mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, I, 6.A. Pg- 29	202	500 (Max) (mg/l)
12	Calcium (as Ca) mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 14.A. Pg- 14	67.2	75 (Max) (mg/l)
13	Magnesium (as Mg), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 6.1. Pg- 85	18.05	30 (Max) (mg/l)
14	Manganese (as Mn), mg/l	FSSAI Manual	Nil	0.10 (Max) (mg/l)
15	Sulphate (as SO <sub>4</sub> ), mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 10.A. Pg- 107	22.1	200 (Max) (mg/l)
16	Nitrates (as NO <sub>3</sub> ), mg/l	FSSAI Manual	Nil	45 (Max) (mg/l)
17	Alkalinity as (CaCO <sub>3</sub> ) mg/l	FSSAI Manual for Water Analysis, 2016, Sec A, II, 9 Pg- 104	237.5	200 (Max) (mg/l)

**Note: Results are only with respect to the items tested. All tests are performed in the laboratory location only. Results apply to the sample as received.**

**Opinion: The sample is chemically unsatisfactory & needs proper treatment.**



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